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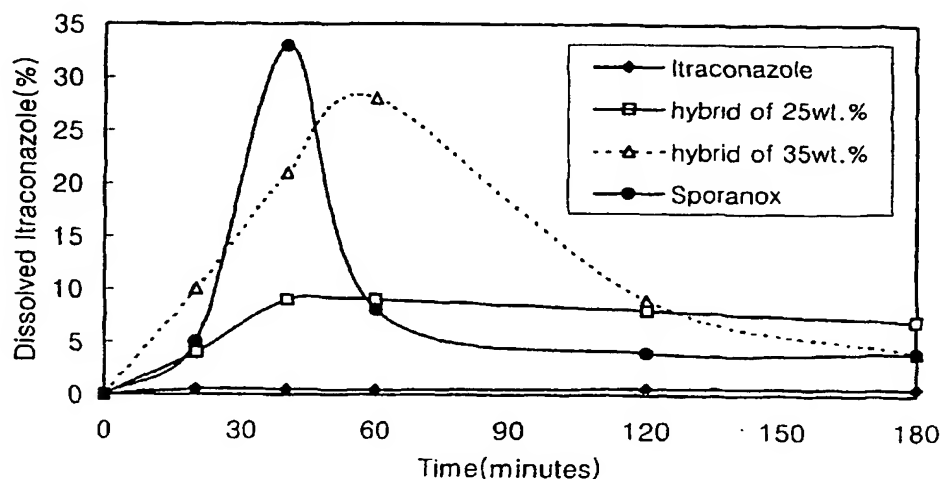
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(54) Title: HYBRID OF ITRACONAZOLE, CYCLOSPORINE OR CARVEDILOL WITH A LAYERED SILICATE AND A PROCESS FOR PREPARING THE SAME



(57) Abstract: The present invention provides the hybrids wherein itraconazole, cyclosporine or carvedilol are intercalated into the interlayers and/or absorbed onto the surfaces of layered silicates. The hybrids according to the present invention enable the maximization of bioavailability of drugs by dissolving the drugs from the layered silicates. Furthermore, the present invention provides the preparing methods of the hybrids. The process comprises: (1) dispersing a layered silicate in an aqueous solution to form an aqueous solution containing the layered silicate; (2) dissolving a drug in an organic solvent to form an organic solution containing the drug, the organic solvent having a solubility higher than that in the aqueous solution; and (3) mixing and hybridizing in the interface of the aqueous solution containing the layered silicate and the organic phase solution containing the drug in order to intercalate the drug into the interlayers of the layered silicate and/or to absorb the drug onto the surface of the layered silicate.